

Title (en)
MOULDED ARTICLE DESIGNED TO ABSORB AIRBORNE SOUND

Title (de)
LUFTSCHALL ABSORBIERENDES FORMTEIL

Title (fr)
PIECE MOULEE QUI ABSORBE LE BRUIT AERIEN

Publication
EP 0666806 B1 19960612 (DE)

Application
EP 93924595 A 19931105

Priority
• DE 4237513 A 19921107
• DE 9215132 U 19921107
• US 43387595 A 19950502
• EP 9303101 W 19931105

Abstract (en)
[origin: US5652415A] A molded article for the absorption of airborne sound, to be used principally in the engine compartment of motor vehicles and particularly as a sound absorber inside partial and complete motor encapsulations, is formed by a porous absorber (1) of which the core (6), being sealed on both sides (7,8) over its complete surface by a respective PU film of a thickness less than 90 μ m, is made from an open-pored PU (polyurethane) foam of a thickness of at least 3 mm and about 15 mm at the most. The core comprises cavities (2-4) originating on the bottom face and formed by the injection molding process, said cavities being open only towards the bottom face (5) and having different cavity volumes and different heights (11) measured from the bottom face (5).

IPC 1-7
B60R 13/08; **G10K 11/16**; **B32B 3/12**

CPC (source: EP KR US)
B32B 3/12 (2013.01 - EP US); **B32B 3/20** (2013.01 - US); **B32B 3/28** (2013.01 - US); **B32B 5/18** (2013.01 - US); **B32B 7/08** (2013.01 - EP US); **B32B 7/12** (2013.01 - US); **B32B 27/065** (2013.01 - US); **B32B 27/40** (2013.01 - US); **B60R 13/08** (2013.01 - EP KR US); **G10K 11/172** (2013.01 - EP US); **B32B 2266/0278** (2013.01 - US); **B32B 2266/06** (2013.01 - US); **B32B 2605/08** (2013.01 - US); **B32B 2607/00** (2013.01 - US); **B60R 13/0838** (2013.01 - EP US); **F02B 77/13** (2013.01 - EP US)

Cited by
CN113757817A; WO2006048304A3

Designated contracting state (EPC)
BE DE ES FR GB SE

DOCDB simple family (publication)
US 5652415 A 19970729; CZ 115295 A3 19951213; CZ 284268 B6 19981014; DE 4237513 A1 19940511; DE 59302948 D1 19960718; DE 9215132 U1 19930415; EP 0666806 A1 19950816; EP 0666806 B1 19960612; ES 2088685 T3 19960816; JP H08505581 A 19960618; KR 100293584 B1 20010917; KR 950704137 A 19951117; WO 9411222 A1 19940526

DOCDB simple family (application)
US 43387595 A 19950502; CZ 115295 A 19931105; DE 4237513 A 19921107; DE 59302948 T 19931105; DE 9215132 U 19921107; EP 9303101 W 19931105; EP 93924595 A 19931105; ES 93924595 T 19931105; JP 51168693 A 19931105; KR 19950701809 A 19950506